

Amendments to the Specification

Please replace paragraphs [0039-41] with the following amended paragraphs:

[0038] The inner space of the sleeve-like housing section ~~[[18]]~~ 16 is made up of two cylindrical sections, one being an inwardly lying section 30 and the other being a more outwardly lying section 32, the diameter of which is larger than that of the inwardly lying section 30. Between the cylindrical ~~inner space~~ sections 30 and 32 is a shoulder 34 formed in the housing inner wall. In the ~~outer inner space~~ outwardly lying section 32 are located the light conducting element 18 and the spring 20, which spring at one end engages the light conducting element 18 and with its other end engages a metal ring 36 which in turn lies on the shoulder 34.

[0039] In the ~~inner inner space~~ inwardly lying section 30 in the case of the first coupling part 10 is a sending device 38 (Fig. 1) and in the case of the second coupling part is a receiving device 40 (Fig. 2). Each of the sending device 38 and the receiving device 40 has a ground connection 42 which is soldered to the sleeve-like section 16 of the housing 14, and each has a signal terminal 44.

[0040] The housing 14 has at its end facing away from the light conducting element 18 a hollow connecting pin 46 with a ground connector section 48, a signal connector section 50, and lying between them an insulating piece 52 which electrically isolates the sections 48 and 50 from one another. The signal ~~connector~~ terminal 44 is guided through the hollow space of the connector pin 46 and is soldered with the signal connector ~~[[piece]]~~ section 50. The ~~inner inner space~~ inwardly lying section 30 and the hollow space of the connector pin 46 are filled with pottant material illustrated in Figs. 1 and 2 by cross hatching,

[0041] Fig. 6 shows an enlarged cross sectional view of the housing 14 of the first coupling part 10. As is to be seen in Fig. 6 the ground connector section 48 of the connecting pin 46 has an external thread 54 formed on it, by means of which the first coupling part 10 is threadable into a socket at ground potential of a contact carrier. On the inner side of the ground connector section 48 is an internal thread

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56 into which the insulating piece 52 is threadable (see Fig. 1). In the sectional illustration of Fig. 6 is further shown a bore 57 into which the ground connector [[40]] section 48 of the sending device 38 is soldered.